

19980524.qrp v01_n101.qrs.980524

Date: Sun, 24 May 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1101

QRP-L Digest 1101

Topics covered in this issue include:

- 1) [11640] Sporadic E and 10 M beacons Heard, No Fox!!
by "James R. Duffey" <jamesd1@flash.net>
- 2) [11641] Africa on 17m
by "Randy Moore" <wr.moore@worldnet.att.net>
- 3) [11642] Halp!! HP 1740A scope
by k6hcj@juno.com (Marv Fagenson)
- 4) [11643] Re: 10 watt SSB rigs?
by "David D. Meacham" <ddm@datatamers.com>
- 5) [11644] Re: 10 watt SSB rigs?
by "David D. Meacham" <ddm@datatamers.com>
- 6) [11645] Need Cascade Manual
by "Bill NT1R" <wlegge1@maine.rr.com>
- 7) [11646] re: 10 watt SSB rigs
by "Bill NT1R" <wlegge1@maine.rr.com>
- 8) [11647] 6mtrs and ten watt rig
by marion@montana.com
- 9) [11648] Dan's Small Parts Shipping again
by "L. Jeffrey Hetherington" <jhetheri@npiec.on.ca>
- 10) [11649] SOLAR Report 23 May
by Paul Harden <pharden@aoc.nrao.edu>
- 11) [11650] 30 m J-pole, NW20 update
by tom whalen <whalen@swcp.com>
- 12) [11651] re: Pi redefined
by Rick Sealey <rsealey@InfoAve.Net>
- 13) [11652] Re: 10 watt SSB rigs?
by Zack Lau <zlau@arrl.org>
- 14) [11653] question
by ac5ez@webtv.net (Larry B)
- 15) [11654] Re: 10 watt SSB rigs? K2 too!
by "Eric Swartz - WA6HHQ, EleCraft" <erics@elecraft.com>
- 16) [11655] Re: Luddite question
by Joe Gervais <vole@primenet.com>
- 17) [11656] Re: Luddite question
by Paul Harden <pharden@aoc.nrao.edu>
- 18) [11657] luddites
by ac5ez@webtv.net (Larry B)
- 19) [11658] Re: luddites

- by "Frank Grigaliunas" <fgrig@iea.com>
- 20) [11659] Re: Ft Tuthill Hamfest dates
by Bob Hightower <ki7mn@dancris.com>
- 21) [11660] RE: question
by "Ronald H. Evans" <rhevan1@ibm.net>
- 22) [11661] Items For Sale
by "Ron Schell" <rschell@iquest.net>
- 23) [11662] Re: Luddite question
by Joe Gervais <vole@primenet.com>
- 24) [11663] Re: luddites
by "Ronald Hands" <rhands@hwcen.org>
- 25) [11664] Elmer 101: Part 5 questions
by Bensondj <Bensondj@aol.com>
- 26) [11665] Re: 2N2222
by Roger Braker <msebrakr@telepath.com>
- 27) [11666] SWAP
by K4NK <K4NK@aol.com>
- 28) [11667] Sv: MFJ Artificial Ground
by "Kim Andersen" <ox3fv@greenet.gl>
- 29) [11668] Luddites
by Bigbob97 <Bigbob97@aol.com>
- 30) [11669] Re: question
by Dave Medley <wn8vot@misi.net>
- 31) [11670] 6mtr qrp
by marion@montana.com
- 32) [11671] Re: Battery charger advice
by tnic <tnic@idt.net>
- 33) [11672] Sierra Mod for power on high bands
by wb8ygg@juno.com
- 34) [11673] Northwest Case Sales
by Terres Family <terresfm@ncia.net>
- 35) [11674] 2N2222 Rigs, The Book
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 36) [11675] Re: Elmer 101: NE612 Balanced Output
by Steven Weber <kd1jv@moose.ncia.net>
- 37) [11676] 40/20 wire rope ant question
by jdenison@morelr.com (JOEL DENISON)
- 38) [11677] LED keyer erratica
by Steven Weber <kd1jv@moose.ncia.net>
- 39) [11678] Re: 10 watt SSB rigs?
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 40) [11679] Re: Field Day
by kh6b@juno.com (Dean W Manley)
- 41) [11680] Re: Luddite question
by aa5yx@juno.com (John F. Harper)
- 42) [11681] Re: MFJ Artificial Ground
by Frank Kienast <fgk@gte.net>
- 43) [11682] Re: 2N2222 Rigs, The Book

- by Roger Braker <msebrakr@telepath.com>
- 44) [11683] Lost Mail
by Ed <edn4pk@voyageronline.net>
- 45) [11684] Re: 2N2222 Rigs, The Book
by Tom Bowman <tbowman@nbn.net>
- 46) [11685] 2n2222 book
by "Gary E. Meyers" <gmeyers@dialnet.net>
- 47) [11686] 2n2222 Projects
by Jerry Parker <jparker@fix.net>
- 48) [11687] QRP ARCI Contest May 24th, 1998 <today>
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 49) [11688] Want MFJ-9475 rig
by W7LS <w7ls@blarg.net>
- 50) [11689] Re: 2n2222 book
by nilsbull@juno.com (Nils R Young)
- 51) [11690] ARCI contest
by Lisa Osier <osier@northnet.org>
- 52) [11691] Re: ARCI contest
by Hank Kohl K8DD <k8dd@contesting.com>
- 53) [11692] Re: 10 watt SSB rigs?
by "Russell W. white" <ruswhite@netzone.com>
- 54) [11693] Re: Parts Needed
by donroher@juno.com (DONALD I ROHER)
- 55) [11694] Re: Elmer 101: NE612 Balanced Output
by KV1V <KV1V@aol.com>
- 56) [11695] RE: Sierra Mod
by Rick McNelly <72507.235@compuserve.com>

Date: Sat, 23 May 98 16:59:32 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11640] Sporadic E and 10 M beacons Heard, No Fox!!
Message-ID: <199805232259.RAA29447@endeavor.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

All - I spent the morning, 5/23, trying to scare up 10 M contacts, particularly with the Fox, but to no avail. The band was marginally open as evidenced by a large number of Beacons heard;

At 1415 I heard the K6LLL beacon, Laguna Beach CA, and the N06J beacon, Thousand Oaks CA. The signals varied from S1 to S3, not strong but certainly QSO quality. Now Laguna Beach to Thousand Oaks spans almost all of what we know as "Southern California". There must be at least 10,000 hams in this metropolitan area, and I'll bet a few hundred dedicated QRPers. But I heard no QRP stations at 28.060. I guess they were all late

in getting home from Tequilla Willie's =8^). The 6s stayed in for an hour up and down in signal strength.

Other beacons heard this morning;

K9KXP

ND0DX - North Dakota!!

W0ERE - EM36, the Ozarks

WP9Z - Wisconsin

K5AB - At S5, the loudest of the beacons all day, but only for 5 minutes around 1712.

LU1FHH - Argentina (not on Sporadic E!)

KA9SOX - Illinois

Between copying the beacons I called CQ FOX on 28.060 with no takers =8^(. At 1745Z I QSYed to 20 M for a sked with WA0OML, my dad.

Oh yes, I heard the K9KE 10 M repeater on 29.660 at 1609Z and the WB4TJO, Mobile AL, repeater at 1611Z. I worked WB4TJO and W0RA on the WB4TJO repeater. Unfortunately it was not QRP, the repeater runs 350 W out to half wave dipole at 200 feet!

Get on 10 M!! The skip will support contacts. Call CQ. - Dr. Megacycle
KK6MC/5

James R. Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest NM 87008

Date: Sat, 23 May 1998 06:08:13 -0500
From: "Randy Moore" <wr.moore@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [11641] Africa on 17m
Message-ID: <000201bd863b\$13ec7d20\$1326430c@wrmoorerpc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just worked 5X1T (Uganda) on 18.157 at 5w SSB into my horiz loop. He's 57 into N. Alabama. Got him on my second call! He's in QSO with a friend now, but may go back to taking calls.

I think this is only my second SSB QRP QSO! Normally CW, ya know ;-)

72,
Randy, KS4L

Date: Sat, 23 May 1998 16:30:46 -0700
From: k6hcj@juno.com (Marv Fagenson)
To: qrp-1@Lehigh.EDU
Subject: [11642] Halp!! HP 1740A scope
Message-ID: <19980523.163442.12238.1.k6hcj@juno.com>

Marv Fagenson
Amateur Radio K6HCJ
k6hcj@Juno.com
Van Nuys, CA

----- Begin forwarded message -----
From: k6hcj@juno.com (Marv Fagenson)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: Halp!! HP 1740A scope
Date: Thu, 21 May 1998 09:13:12 -0700
Message-ID: <19980521.091411.9494.2.k6hcj@juno.com>

I have an HP 1740A scope with an attitude problem. I fixed an intermittent sweep problem w/ a soldering iron. After 2 months, the sweep disappeared. Is there a kind soul out here who knows this scope and can help me repair it. I cannot reproduce the intermittent and the sweep went South on me. I don't hv schematics, etc. I'm in So CA and I don't mind driving to surrounding counties.

Tnx 72
Marv Fagenson
Amateur Radio K6HCJ
k6hcj@Juno.com
Van Nuys, CA

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don't need to buy Internet access to use free Internet e-mail. Get completely free e-mail from Juno at <http://www.juno.com> Or call Juno at (800) 654-JUNO [654-5866]

----- End forwarded message -----

----- You
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completely free e-mail from Juno at <http://www.juno.com> Or call Juno at
(800) 654-JUNO [654-5866]

----- End forwarded message -----

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 23 May 1998 17:32:48 -0700 (PDT)
From: "David D. Meacham" <ddm@datatamers.com>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11643] Re: 10 watt SSB rigs?
Message-ID: <Pine.LNX.3.91.980523173140.10704B-1000000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Zack,
The NorCal Cascade is a ten-watt radio on 75 meters, but only 5W on 20m.
72, Dave, W6EMD

Date: Sat, 23 May 1998 17:39:18 -0700 (PDT)
From: "David D. Meacham" <ddm@datatamers.com>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11644] Re: 10 watt SSB rigs?
Message-ID: <Pine.LNX.3.91.980523173805.10704D-1000000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Zack,
Oh, I forgot the Icom 505, 10W on 6 meters!
72, Dave, W6EMD

Date: Sat, 23 May 1998 19:56:40 -0400
From: "Bill NT1R" <wlegge1@maine.rr.com>
To: <qrp-l@Lehigh.EDU>
Subject: [11645] Need Cascade Manual
Message-ID: <199805232328.TAA08553@proxyb2-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I recently received a NorCal Cascade kit without any instructions. If you can help, I'll be happy to reimburse copying and mailing cost. 73 Bill, NT1R

Date: Sat, 23 May 1998 20:02:40 -0400
From: "Bill NT1R" <wlegge1@maine.rr.com>
To: <qrp-l@Lehigh.EDU>
Subject: [11646] re: 10 watt SSB rigs
Message-ID: <199805232334.TAA08819@proxyb2-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The Atlas 110 was designed for 10 watts PEP many years ago. Bill

Date: Sat, 23 May 1998 19:04:28 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [11647] 6mtrs and ten watt rig
Message-ID: <199805240104.TAA29106@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Yaesu FT690 is an all mode, 10 watt, 6 meter rig. I use it for base and mobile. It comes with a quick release mobile mount. The 10 watt power amp detaches from the rear of unit and a nicad pack attaches. A bnc whip attaches to the front and it becomes a 2watt portable. One of my favorite rigs. Might be of interest to 10watt SSB and 6meter questions.

Date: Sat, 23 May 1998 20:18:58 -0400 (EDT)
From: "L. Jeffrey Hetherington" <jhetheri@npiec.on.ca>
To: Multiple Recipients of List <qrp-l@Lehigh.EDU>
Subject: [11648] Dan's Small Parts Shipping again
Message-ID: <Pine.SGI.3.96.980523201757.4596A-100000@nev.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello all.

Not sure if it was mentioned here, but Dan's Small Parts is once again shipping to points outside of the U.S.A.

Good news for QRPers abroad.

73/72

Jeff - VA3JFF
VA3JFF@rac.ca

Date: Sat, 23 May 1998 19:09:23 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Cc: GQRP-L List <gqrp-l@blacksheep.org>
Subject: [11649] SOLAR Report 23 May
Message-ID: <Pine.SOL.3.91.980523184602.16901A@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The sun has been very quiet for two weeks and the immediate forecast is for more of the same. Consequently, the geomagnetic field has also been quiet to unsettled. Basically means quiet bands, with daytime openings on the higher bands ... combined with the low absorption and quiet conditions, means extending further into the evening hours.

Our old friend that caused all our grief 3 weeks ago is just now rotating back into view, but it currently appears quiet. A new area formed today that with further development might cause solar disturbances later in the week.

The current "real" observational data, however, shows nothing but more of the same generally quiet sun and a quiet geomagnetic field.

The Solar Report follows, with comments, for those so interested.

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 143 ISSUED AT 2200Z ON 23 MAY 1998

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z
TO 23/2100Z:

SOLAR ACTIVITY WAS VERY LOW. HOWEVER, TWO NEW REGIONS,
8225 (S18E62) AND 8226 (N17W12) WERE ASSIGNED. REGION 8225 IS THE
SEEMINGLY BENIGN RETURN OF OLD ERUPTIVE REGION 8210.

Region 8210 is the region that caused all the M-class and X-class flares
3 and 4 weeks ago. It is just now rotating back into view, and could
be capable of further activity over the next two weeks ... about how long
it takes for a spot on the sun to rotate from the east limb to the west.
(And likewise, it's on the "back side" of the sun for about 2 weeks).

IT IS SIMPLE IN WHITE LIGHT AND H-ALPHA.

Just means nothing to suggest it is active at the moment.

IN CONTRAST, REGION 8226, BORN ON THE DISK EARLY TODAY, HAS QUICKLY GROWN
TO NOW SHOW PENUMBRA ON BOTH THE LEADER AND TRAILER SPOTS. STRONG
ARCH-FILAMENTS AND A MODEST AMOUNT OF BRIGHT PLAGE ARE VISIBLE THERE.

A quickly developing area often involves the development of a strong
magnetic field associated with the area of disturbance. In this case,
the magnetic field leaves the sun through one sun spot, called the TRAILER
spot, and reenters the sun at another sun spot, called the LEADER. This
magnetic field about the area of disturbance is not optically visible, but
is "mapped" by both earthbased and space based instruments. But should a
flare or CME occur, it throws out burning mass, which gets caught in this
magnetic field, which is what gives many solar flares that "halo" or
arched appearance. It is the solar mass flowing along and painting an
outline of this magnetic field. It was not too long ago that the arches
of a solar flare were thought to be the mass being pulled back into the
sun by gravity, as it has been fairly recently that magnetic fields
associated with sun spot groups could be measured (since they are swamped
by the far stronger sun's magnetic field). Instruments with a higher
dynamic range have made mapping these weaker magnetic disturbances possible.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW.
REGION 8226 MAY CONTINUE TO DEVELOP AND PRODUCE OCCASIONAL C-CLASS
FLARES.

C-class flares seldom cause any disturbance to our geomagnetic field.

But if this area continues to grow in intensity over the next few days, it could produce M and X class flares and geomagnetic storming next week. Admittedly, that's being a bit presumptuous from the "scientific data" just yet!

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z:
THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED AT MIDDLE LATITUDES, AND QUIET TO ACTIVE AT HIGH LATITUDES.

No explanation is offered why the geomagnetic field may be active at higher latitudes ... likely just due to a slight increase in the solar wind.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED THE NEXT THREE DAYS.

Basically, fairly favorable for HF communications.

IV. PENTICTON 10.7 CM FLUX
OBSERVED 23 MAY 090
PREDICTED 24 MAY-26 MAY 095/095/100
90 DAY MEAN 23 MAY 108

With this old active region rotating into view, which raised the solar flux last solar rotation, it will likely cause the solar flux to start rising again over the next week to improve the higher bands.

V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 22 MAY 006/008
ESTIMATED AFR/AP 23 MAY 010/015
PREDICTED AFR/AP 24 MAY-26 MAY 010/015-005/010-005/010

Nothing predicted but fairly quiet geomagnetic conditions.

Gud dx, Paul NA5N
National Radio Astronomy Observatory
Socorro, New Mexico

VLA and VLBA radio telescopes

Date: Sat, 23 May 1998 19:21:54 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: wa5whn@juno.com, roygregson@aol.com
Subject: [11650] 30 m J-pole, NW20 update
Message-ID: <35677632.7868@swcp.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hola QRP-ler's!

Just finished building a 30m J-pole and will test it tomorrow and see if it works.

Hope to use it RR mobile and also for backpacking.

--

Have not had time to work on the BC problem with my NW20. Probably get to work on it next Tues. Jay, look at your notes on the fix you used if you would please.

Not hearing many 10 m "foxi" here at my casa. Only have worked KK6MC/5 as my one and only catch.

72, Tom WB5QYT " Have spud will travel!"

Enjoying QRP!

!

Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, ST. Louis tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Date: Sat, 23 May 1998 21:31:47 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-l@Lehigh.EDU
Cc: wa8rxi@juno.com (Rick Arzadon)
Subject: [11651] re: Pi redefined
Message-ID: <1.5.4.32.19980524013147.01000858@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

On 23 May 1998 you said...

>----- SNIP -----

>And, I thought "PIE ARE Square", but after a peek in my Fridge I find
>them Round..

>OH WELL!!

>73, Rick (Arzadon)

>-----

Awright, if yuh gotta quote Andy Griffith, give him credit.

(Actually, I'm pretty rational when it comes to pie in any shape.)

Rick (Sealey) - W4SEA

Date: Sat, 23 May 1998 21:56:44 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [11652] Re: 10 watt SSB rigs?
Message-ID: <35677E5C.35CB@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maybe I ought to be a little clearer--I'm interested in the advertising (featured selling point) of radios as 10 watt PEP SSB QRP rigs. The MFJ clearly doesn't qualify--they specifically state that they didn't design their rig for the 10 watt QRP power limit. Similarly, the Japanese VHF radios were typically set up to put out 12, rather than 10 watts--at least according to the service manuals I've read.

BTW, I do have a multi-band rig that will do 10 watts PEP, a Drake TR-7 with a MRF 138 FET final amplifier. However, I normally operate it at the 5 watt level, where it looks really clean on the spectrum analyzer, as one might expect from a class A amplifier.--Zack W1VT

Date: Sat, 23 May 1998 21:12:54 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [11653] question
Message-ID: <199805240212.TAA00378@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Can anyone tell me what a "Luddite" is ?
Thanks, Larry Ac5ez

Date: Sat, 23 May 1998 19:16:35 -0700
From: "Eric Swartz - WA6HHQ, EleCraft" <erics@elecraft.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [11654] Re: 10 watt SSB rigs? K2 too!
Message-ID: <35678303.8DCC4338@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The K2 also runs 10w SSB on 160-10m.

72,
Eric

<http://www.elecraft.com>

Date: Sat, 23 May 1998 19:36:08 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: ac5ez@webtv.net
Cc: qrp-l@Lehigh.EDU
Subject: [11655] Re: Luddite question
Message-ID: <199805240236.TAA19254@usr09.primenet.com>

Howdy,

Larry (AC5EZ) wrote:

>

> Can anyone tell me what a "Luddite" is ?

Generally, someone who is against or afraid of technology. In its more watered-down use, I suppose I could be called a Luddite because of my stubborn preference for using compass and altimeter for wilderness navigation, rather than GPS. :-)

Specifically, during the Industrial Revolution of the early 1800's in England, Luddites were bands of workers who plotted to destroy machines which they feared would cost them their jobs. Clearly they never realized what a bright future there was to be had in *maintaining* such gear. ;-)

QRP-related? Well, I suppose we're all enamored by the magic of the simple yet elegant means by which a few dozen parts and some wire ("primitive setup") can be used to communicate worldwide. This when satellite-cellular technology would let us call them anyway. :)

Long live the magic!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And that, my Liege, is how we know the Earth to be banana-shaped." -- Monty Python and the Holy Grail

Date: Sat, 23 May 1998 21:00:02 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11656] Re: Luddite question
Message-ID: <Pine.SOL.3.91.980523204238.17838D-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 23 May 1998, Joe Gervais wrote:

> > Can anyone tell me what a "Luddite" is ?
>
> ... someone who is against or afraid of technology.
> ... because of my preference for using compass and altimeter
> ... during the Industrial Revolution of the early 1800's
> ... bands of workers who plotted to destroy machines
> ... we're all enamored by the magic of the simple
> ... a few dozen parts and some wire ("primitive setup")
> ... when satellite-cellular technology would let us
> Long live the magic!
>
> Cheers de AB7TT,
 ^^^^^^

Speaking of CHEERS, what the heck are you smoking out there Joe? Thought I was getting mail from rec.eclectic.history or something for a minute. Shoot, just turns out to be another word for "iconoclastic." And here all

this time, I thought Luddite was a lawn and garden rejuvenator!

72, Paul NA5N

ObQRP: greener lawns lowers the feed impedance of a vertical by 3 ohms.

Date: Sat, 23 May 1998 22:07:25 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [11657] luddites
Message-ID: <199805240307.UAA16151@mailtod-122.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

That word popped up in a article in June qst by David Sumner. One who
reveres older ways of doing things because of the values they represent.
I suppose that anyone who favored the use of cw because of traditional
values represented by the mode, could be regarded as somewhat of a
luddite.

No, I was not flamed. I dont consider the term luddite degrading at all.
I guess black powder shooters are luddites also. (shades of Doug Demaw).

Larry, Ac5ez
Qcwa

Date: Sat, 23 May 1998 20:53:35 -0700
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [11658] Re: luddites
Message-ID: <199805240353.UAA24068@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Larry B <ac5ez@webtv.net> wrote:

> That word popped up in a article in June qst by David Sumner. One who
> reveres older ways of doing things because of the values they represent.

Actually, in its original meaning, it had nothing to do with any reverence for the values the old things represented. As an earlier poster noted, the Luddites were busting up machinery because they thought it would cost them jobs. Rather than hams, a better analogy would be naval radiomen who insisted on continuing to use CW because they were trained and paid to do so, even if some of them personally found it tiring and burdensome (though I don't know how they would).

--Frank, KC7YYR

Frank Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com -==*- (509) 326-7147 -==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people"

Date: Sat, 23 May 1998 20:57:20 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: "David D. Meacham" <ddm@datatamers.com>
Cc: qrp-l@Lehigh.EDU
Subject: [11659] Re: Ft Tuthill Hamfest dates
Message-ID: <199805240357.UAA01726@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:35 PM 5/23/98 -0700, you wrote:
>Bob,
>And where is Ft. Tuthill? (what state)

Flagstaff, AZ
72,73
Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30
<http://www.dancris.com/~ki7mn>

Date: Sun, 24 May 1998 06:07:44 +0200
From: "Ronald H. Evans" <rhevan1@ibm.net>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [11660] RE: question

Message-ID: <000001bd86c9\$816e9b60\$e70c5c8b@hal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lud-dite (lud'iet) n.

1. a member of any of various bands of workers in England (1811-16) who destroyed industrial machinery in the belief that its use diminished employment.
 2. any opponent of new technologies or of technological change.
- [1805-15; after Ned Ludd, 18th-cent.
Leicestershire worker who originated the idea; see
- ITE 1]

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Larry B
Sent: Sunday, May 24, 1998 4:13 AM
To: Low Power Amateur Radio Discussion
Subject: question

Can anyone tell me what a "Luddite" is ?
Thanks, Larry Ac5ez

Date: Sun, 24 May 1998 00:20:50 -0500
From: "Ron Schell" <rschell@iquest.net>
To: <qrp-l@Lehigh.EDU>
Subject: [11661] Items For Sale
Message-ID: <000001bd86d5\$ebaa3b40\$02302bd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

1. OHR400 with DD1 Display. I built these projects several months ago.
Checked and aligned by Oak Hills.
Less than 1 hour use on the both of them. \$350
2. Yaesu FT50RD, FNB41 Battery, NC-50 Drop in charger, wall charger, Yaesu Speaker Mic., Installed the

- shorter power button, NOT modified for wideband tx. \$350
3. WBL V2L paddles. With gold plated, shielded patchcord. \$135
 4. MFJ 259 Antenna Analyzer. \$175
 5. MFJ 971 Portable Tuner. \$50
 6. Astron RS7A Power Supply \$50

All these are like new condition, very little use. UPS to CONUS IS INCLUDED IN PRICE. I am selling because I am learning programming for possible career change and need to get a recent vintage computer for home. Not getting out the hobby, just postponing it for a while. I've followed the list for awhile now and regret this has to be my first post.

If interested my email is: rschell@iquest.net

Terms: Money Order, Cashiers Check, NO COD

Date: Sat, 23 May 1998 22:46:04 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Cc: pharden@aoc.nrao.edu
Subject: [11662] Re: Luddite question
Message-ID: <199805240546.WAA24950@usr08.primenet.com>

Howdy again,

Paul (NA5N) wrote:

>

> And here all this time, I thought Luddite was a lawn and
> garden rejuvenator!

And don't forget - it makes great Q-Dope too! :-)

Hope to hear y'all in the Hoot Owl thingy tomorrow.
Gotta prove our primitive modulation schemes really
work, and work well to boot! :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Are you suggestin' that coconuts migrate?!" -- Monty Python and the Holy Grail

Date: Sun, 24 May 1998 08:24:24 -0400
From: "Ronald Hands" <rhands@hwcen.org>
To: <qrp-1@Lehigh.EDU>
Subject: [11663] Re: luddites
Message-ID: <199805241234.IAA09311@hwcen.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The usual view of Luddites is that they were dim-witted obstructionists throwing down roadblocks in the way of progress.

Anyone who might care to sample a different view should take a look at the chapter titled "Ned Ludd Was Right" (General Ned Ludd was the mythical leader of the frame-breaking movement) in maverick economist Richard Douthwaite's book titled The Growth Illusion.

-- Ron VE3SP

Date: Sun, 24 May 1998 08:54:03 EDT
From: Bensondj <Bensondj@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [11664] Elmer 101: Part 5 questions
Message-ID: <48c7fb67.3568186c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

on Sat, 23 May 1998 , Paul, AA1MI <PGSPersEng@aol.com> wrote:

>>To: qrp-1@Lehigh.EDU

>>Subject: [11589] Elmer 101: Questions on Part 5

>>I'll start my questions on the Tx bandpass filter by quoting a section from
>>the introduction in the rig's manual:

>>"Changed the Tx bandpass filter to use IF transformers. This configuration

>>makes use of the differential outputs of the NE612. Filter bandwidth is
>>increased considerably over the original configuration."

>>Is using the mixer in the differential mode any better? Why?

The outputs of pins 4 and 5 of the mixer are out of phase with respect to one another. By using them both, as opposed to a single-ended configuration, there's twice as much signal to work with.

>>I understand that in this filter we want a relatively broad bandwidth so any
>>signal in the 40m band passes through unattenuated. I checked out the
>>schematic for the original version (as seen in _QRP Power_), and he at first
>>used an LC filter design. What was wrong with its bandwidth that it needed
>>improved?

The original design was a little too sharp- it couldn't be modified much beyond the original bandspread with falloff becoming noticeable. I've simply broadened it a bit to make that adjustment a little less critical. Yes, a resistor could have been added to swamp the response. On the new version, the TX mixer source impedances (1500 ohms nominal at pins 4 and 5) as well as the emitter follower stage, establish loading on that filter. The value of coupling capacitor C31 also affects the filter response.

>>I checked the Mouser catalog and see that one of these IF transformers sell
>>for \$0.65 in hundreds. So Dave probably saved a lot of real estate and maybe
>> even cut the rig's cost by going to the transformers. But why are two
>> transformers necessary; wouldn't one be sufficient? Don't two stages in the
>> filter sharpen its frequency response, whereas the original idea is to
broaden
>>it?

Here were the key design considerations:

- Real estate
- Cost
- Easier assembly

It's possible to use a single tuned circuit and still meet the FCC requirements for spectral purity. Doing so, though, requires some pretty high impedances, which should be avoided as a general rule with transmitter design- there's an increased susceptibility to unwanted feedback due to ground-loop problems. I didn't have the luxury of unlimited ground plane, although I was cognizant of ground paths, and elected for 'safe' over 'sorry'. Keeping the impedances reasonable and still retaining a good bandpass characteristic (good rejection away from the passband) calls for more parts.

>>Also, very puzzling to me: the IF transformers are resonant at 10.7 MHz. But
>>without knowing the values of the internal coil and cap, what's the process

>>for determining that a 47 pF cap in parallel brings resonance down to 7 MHz?

The internal characteristics are easily inferred with a signal generator and scope. Once the resonance peak is found, extra capacitance is added in parallel and the new peak is located.

The resonance formula is

$$F(\text{mhz})^{**2} = 25,330 / LC$$

where L is in microhenries and C is in pF.

Doubling the capacitance (adding a parallel external capacitance replicating the internal one) moves the resonance to .707 of the original frequency.

For these transformers, it's approximately 5 uH and 50 pF.

73-- Dave Benson, NN1G

Date: Sat, 23 May 1998 23:56:18
From: Roger Braker <msebrakr@telepath.com>
To: jokortge@mci2000.com
Cc: qrp-l@Lehigh.EDU
Subject: [11665] Re: 2N2222
Message-ID: <3.0.1.16.19980523235618.3bd74d12@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would at least like to see the schematics of the top ten rigs. Of course this would require the permission of the designers but I think that this contest produced some unique ideas and seeing the schematics could be great learning experience. I think it would be neat if the winning rig was kitted also. I great rig made from just 2n2222 xsitors. Maybe that's what we should send to third world countries. It would be easier for them to duplicate...No more flame wars, please:-)

73,
Arnold kd5ckh

At 06:03 PM 5/18/98 -0400, you wrote:
>I'd sure like private mail from members of
>QRP-L regarding interest in seeing this
>rig kitted, either for 40 meters, or some

>other band. It has lots of transformers/
>coils to wind, and a total of 216 parts.
>What's the interest level?
>

Date: Sun, 24 May 1998 09:49:26 EDT
From: K4NK <K4NK@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [11666] SWAP
Message-ID: <beab7d68.35682568@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

I have a MFJ 971 QRP tuner in original box . Excellant would be willing to trade for a MFJ 948 or 949 tuner or simular. E-mail direct please.

73 Les K4NK

Date: Sun, 24 May 1998 14:04:26 +0100
From: "Kim Andersen" <ox3fv@greenet.gl>
To: "=?ISO-8859-1?Q?QRP-L_=28INDL=C6G=29?=" <qrp-l@Lehigh.EDU>, <kreinbd@ccgate.dl.nec.com>
Subject: [11667] Sv: MFJ Artificial Ground
Message-ID: <7717DC3E21A.AAAB33@mail.greenet.gl>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> Was kicking around the idea of putting up a random
> wire antenna and help things out with one of these.
>
> Anybody have any experience with the MFJ artificial
> ground? How well do they work?
> 73 de Dave, NR3E
> QRP-L #25
> nr Dallas, TX

Hi

I have now used my new MFJ-934 Antenna tuner/Artificial ground for two days. As of now I am very pleased with it.

The tuner is "just" another tuner, but the ground tuner seems to do a good job. I have made just one experiment.

Have made radiales for 7 - 28 Mhz. I used a "mulitwire" wire. (7 small wires in one). Cut thru the isolation and cut a small wire for the different bands (dont know if this is a good way to do it, but sure makes it easy when going portable). Then I put up a 15 meter L-antenna, and disconnected ALL other ground except station ground. I can change between this L-antenna and my normal GP.

I can not detect any change in the received signal, and reports from other hams seems to indicate that there are NO difference in the transmitting signal!!!. I have only tested on 20m.

I have not tested for TVI/BCI with my QRO rig yet.

This afternoon I will put up a indoor long wire antenna of about 100m - Look forward to testing it.

Are there anyone out there with more info on the subject? .

Kim/OX3FV

Date: Sun, 24 May 1998 10:20:37 EDT
From: Bigbob97 <Bigbob97@aol.com>
To: QRP-L@Lehigh.EDU
Subject: [11668] Luddites
Message-ID: <1005d71f.35682cb6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I believe the luddites were the rock people in the old Flash Gordon movies !
Maybe not.

73,

Bob WB2DHK in Jersey City, NJ

Date: Sun, 24 May 1998 10:27:53 -0400
From: Dave Medley <wn8vot@misi.net>
To: rhevan1@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11669] Re: question
Message-ID: <35682E69.8BC0374@misi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron

Back in the 60s it was a person that took ludes aka Methaqualudes

hey man everyone knows that

Dave

Ronald H. Evans wrote:

> Lud-dite (lud'iet) n.
> 1. a member of any of various bands of
> workers in England (1811-16) who
> destroyed industrial machinery in the
> belief that its use diminished employment.
> 2. any opponent of new technologies or of
> technological change.
> [1805-15; after Ned Ludd, 18th-cent.
> Leicestershire worker who originated the idea; see
> - ITE 1]
>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On

> Behalf Of

> Larry B

> Sent: Sunday, May 24, 1998 4:13 AM

> To: Low Power Amateur Radio Discussion

> Subject: question

>

> Can anyone tell me what a "Luddite" is ?

> Thanks, Larry Ac5ez

Date: Sun, 24 May 1998 09:36:22 -0600 (MDT)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [11670] 6mtr qrp
Message-ID: <199805241536.JAA27265@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I on 50.050 CW now if any one wants to give a try. Roy AB7CE

Date: Sun, 24 May 1998 11:14:11 -0400 (EDT)
From: tnic <tnic@idt.net>
To: Fred Ringwald <fred@innocent.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11671] Re: Battery charger advice
Message-ID: <Pine.GS0.3.95.980524111339.25004C-100000@u3.farm.idt.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks. I ended up using a motorcycle charger which seems to have worked fine.

On Thu, 21 May 1998, Fred Ringwald wrote:

> Friends:
>
> Steve wrote:
>
> >> Head back to your alarm distributor. You can get a nice 6/12
> ps/charger
> >> board for about 10 or 12 bucks. Get one designed for burglary or
> aux power
> >> use, as fire alarm parts have strict design requirements to meet
> various
> >> codes (and are therefore MUCH more expensive). Try ADI at
> 1-800-233-6261.
> >> They also sell new 12V 7AH Yuasa gell cells for around \$15. You
> might even

> >> get used gell cells for free from an alarm dealer. I used to give
> them away.
> >> (makes it a used battery instead of toxic waste.)
>
>
> I called ADI. They said that they only sold to licensed security
> professionals, not amateurs like me.
>
> 73s,
>
> Fred Ringwald, AB0AE
> fred@innocent.com
>
>
>

Date: Sun, 24 May 1998 11:17:00 -0400
From: wb8ygg@juno.com
To: qrp-1@Lehigh.EDU
Subject: [11672] Sierra Mod for power on high bands
Message-ID: <19980524.111701.6654.0.wb8ygg@juno.com>

Hi folks,
I understand there was a mod for L10 on the Sierra that really helped
with power out.
I have the J310 in for Q5 and the ferrite on the 2n2222, but still only
.5 watts out on 15m. Tweaking with the scope, thats' the
best I can get and it is just too sensitive!!! Squishing turns on the
coils etc. does not help. I want to finish this project
once and for all so that it may be usable for field day.

Does anybody know of this mod?

Embedded Research
Brad WB8YGG/Gary N2JGU
<http://www.frontiernet.net/~embres>
embres@frontiernet.net

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 24 May 1998 11:22:18 -0700
From: Terres Family <terresfm@ncia.net>
To: qrp-l list <qrp-l@Lehigh.EDU>
Subject: [11673] Northwest Case Sales
Message-ID: <3568655A.79C5@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sri fer bandwidth but:

Does any one know a website, email address, postal address, or phone number for Northwest Case Sales; they were at booths 637 & 638 at Dayton.

Thanks

Jerry AA10F

Franconia NH

Date: Sun, 24 May 1998 08:34:31 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: qrp-l@Lehigh.EDU
Subject: [11674] 2N2222 Rigs, The Book
Message-ID: <35684C17.7DDC6293@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Why not a book with all ten designs? Include templates for any boards that were designed. Add info on cross reference for US and world-wide parts as one appendix, see if FAR will do up the boards that are available, make each

chapter a forum for the designer to expand even the material already provided for the contest, add in photos of each rig and of each completed board, and then split any profits or losses 10 ways between the authors. (Maybe 11 ways if an additional person takes on the publishing task.).

73, Jim, AL7FS

Roger Braker wrote:

> I would at least like to see the schematics of the top ten rigs. Of course
> this would require the permission of the designers but I think that this
> contest produced some unique ideas and seeing the schematics could be great
> learning experience.

Date: Sun, 24 May 1998 11:53:20
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [11675] Re: Elmer 101: NE612 Balanced Output
Message-ID: <3.0.3.16.19980524115320.21cf7944@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>>Mike,
>>
>>I'd like to hear more about Step 5. What are the advantages of
>>the balanced vs. single-ended output configurations for the NE612?
>
>Balanced input and output helps with AM rejection. It should also
>minimise radiation of the oscillator signal.
>

Using the balanced output also effectively doubles the output signal.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sun, 24 May 1998 12:12:19 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU

Subject: [11676] 40/20 wire rope ant question
Message-ID: <199805241712.MAA29867@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks gang

Thanks for the replies... basically I was referred to a chapter in a book I don't have, so I won't know till I try and see what happens... should be interesting...

just noticed my "main" tree I use for my antnnas is cracked and needs to come down soon, very soon... so my ant farm is about to shut down... I may end up in a qro situation soon... However I have had fun with "playing antenna" and if u get the chance I suggest u give it a shot...

Oh I put up a half square behind and a bit lower than my yagi and the s-meter readings are close with both antennas... evidently the half square would work fine for me here... just can't point it in a good direction once "the tree" comes down... wonder what would happen if I phased two of them.... HMMMMMMMM

joel

God Bless
Joel

WA5CVM
Joel Denison
PO BOX 542
Strong, Maine 04983
jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)
Gentle Lady (RC Sail Plane)(049 engine - start)
3 element yagi on 40mtr/20mtr
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Sun, 24 May 1998 12:30:16
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [11677] LED keyer erratica
Message-ID: <3.0.3.16.19980524123016.21cfc7ee@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy,

It was just called to my attention that the proper placement of C1, 2 and 3 are not clear in the instructions. C1+2 are labled .1 ufd on the schematic where they should be labled .01 ufd. Also, the instrucionts say C1 is .1 ufd, where it should say C3.

Thankfully, the proper values and placement is shown on the mechanical layout drawing, which I'm sure most of you have used as the building guide.

Sorry for any confusion.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sun, 24 May 1998 18:23:58 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, zlau@arrl.org
Subject: [11678] Re: 10 watt SSB rigs?
Message-ID: <E0ydeVT-000205-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The TS120 or 130V maybe?

--73--

Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Sun, 24 May 1998 13:40:22 EDT
From: kh6b@juno.com (Dean W Manley)
To: qrp-1@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [11679] Re: Field Day
Message-ID: <19980524.074005.5391.0.kh6b@juno.com>

Paul Harden wrote:

<snip>

> Since all the local CW ops are now QRPers, we haven't decided yet
whether
> to run a QRP FD station, or do the "club thing" this year (do the CW
> station).

Also Jim AD6CW wrote:

> Look for us as W6JBT on FD, operating from 5700' in the San Bernardino
>Mountains.

Much the same here. BIARC will use KH6EJ in Hilo, approximately 99.7% SSB. Last year with 1000 watts and two antennas on the same mast for Class 2A. So, our group, Hawaii QRP Club (with Hawaii Chapter QCWA) will be 100% battery QRP. We will use the call KH6AN, operating at least 90% CW. We will be located at Laupahoe Point Beach Park. Elevation is six feet with nothing but blue Pacific between us and the Golden Gate Bridge. We are planning on two antennas: an 80/40-meter broadside array and a 20/15/10-meter, 3-el. at about 40 feet.

I would have liked ARRL to keep the VHF bonus points as an option to the "free" VHF contacts. It would be difficult to get enough VHF points, and with no bonus points for VHF, it certainly works against us here. The new rule is very FB if you are near Chicago or Los Angeles.

Dean KH6B

Date: Sun, 24 May 1998 13:40:36 -0400
From: aa5yx@juno.com (John F. Harper)
To: qrp-1@Lehigh.EDU
Subject: [11680] Re: Luddite question
Message-ID: <19980524.134455.13262.0.aa5yx@juno.com>

For a Luddite's view of industrialization, read the Unabomber's manifesto.

John Harper AA5YX/2 (ex: KA5BBL, KI5OW, VQ9BL)
TenTec Century 21, HW-9, NorCal 40A, OHR-100A/20m
<http://home.att.net/~j..harper>

On Sat, 23 May 1998 19:36:08 -0700 (MST) Joe Gervais <vole@primenet.com> writes:

>
>Howdy,
>
>Larry (AC5EZ) wrote:
>>
>> Can anyone tell me what a "Luddite" is ?

>Specifically, during the Industrial Revolution
>of the early 1800's in England, Luddites were
>bands of workers who plotted to destroy machines
>which they feared would cost them their jobs.

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 24 May 1998 13:01:53 -0500
From: Frank Kienast <fgk@gte.net>
To: qrp-1@Lehigh.EDU
Cc: kreinbd@ccgate.dl.nec.com
Subject: [11681] Re: MFJ Artificial Ground
Message-ID: <35686091.1D2F@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David,

I have one of these. Assuming your random wire antenna is of reasonable length and at a reasonable height outdoors, it works well. I have the combination tuner / artificial ground and I can get close to 1:1 SWR on most bands by alternately turning the antenna and ground side. I find that a counterpoise works far better with the unit than trying to use a water pipe ground. With a 60 foot outdoor random wire up 20 feet and the tuner / artificial ground, I can generally have a QSO with just a couple of calls running 5 watts on 40 meters. With an indoor random length wire, though, I've never had a QSO with this setup (even though I can tune up fine). Using a 20-foot downspout was not much better, with about one QSO per about 50 calls. So in summary, it works well - but only if you can get your random wire outdoors and up a ways.

Frank Kienast
KB9QEI

Dave wrote:

Gang,

Was kicking around the idea of putting up a random wire antenna and help things out with one of these.

Anybody have any experience with the MFJ artificial ground? How well do they work?

TIA. Have a great holiday. Thank you to all who have/are serving to defend our nation!

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Sun, 24 May 1998 05:17:33
From: Roger Braker <msebrakr@telepath.com>
To: "Jim Larsen (AL7FS)" <larsennnc@alaska.net>
Cc: QRP-l@Lehigh.EDU
Subject: [11682] Re: 2N2222 Rigs, The Book
Message-ID: <3.0.1.16.19980524051733.3caf79b2@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I think that is a great idea. Do you think the ARRL would publish it? I bet that book could sell pretty good. Just if somebody compiled all the schematics and the documentation would be good. I wonder hard it would be to put it up on a web site?? CUL

73,
Arnold kd5ckh

At 08:16 AM 5/24/98 -0800, you wrote:

>Why not a book with all ten designs? Include templates for any boards that
>were designed. Add info on cross reference for US and world-wide parts as
one
>appendix, see if FAR will do up the boards that are available, make each
>chapter a forum for the designer to expand even the material already provided
>for the contest, add in photos of each rig and of each completed board, and
>then split any profits or losses 10 ways between the authors. (Maybe 11 ways
>if an additional person takes on the publishing task.).
>
>73, Jim, AL7FS
>
>Roger Braker wrote:
>
>> I would at least like to see the schematics of the top ten rigs. Of course

>> this would require the permission of the designers but I think that this
>> contest produced some unique ideas and seeing the schematics could be great
>> learning experience.

>
>
>

Date: Sun, 24 May 1998 14:56:38 -0400
From: Ed <edn4pk@voyageronline.net>
To: Qrp <qrp-1@Lehigh.EDU>
Subject: [11683] Lost Mail
Message-ID: <35686D66.EDC435D9@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,dont ask, managed to lose last few days of email. I had posted a
request for 5.6/6.8 chokes. If you replied and did not get an answer
from me, please try again...Sorry
Ed N4PK ...72/73

Date: Sun, 24 May 1998 14:54:22 -0400
From: Tom Bowman <tbowman@nbn.net>
To: msebrakr@telepath.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [11684] Re: 2N2222 Rigs, The Book
Message-ID: <3.0.5.32.19980524145422.007ec630@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If each of the 10 send me a camera-ready schematic of their 2N2222 rigs,
I'll scan them and place them on my Web site. No trouble at all.

73,

Tom WA3REY

At 05:17 AM 5/24/98, Roger Braker wrote:

>I think that is a great idea. Do you think the ARRL would publish it? I
>bet that book could sell pretty good. Just if somebody compiled all the
>schematics and the documentation would be good. I wonder how it would be

>to put it up on a web site?? CUL

>

>

>73,

>Arnold kd5ckh

>

>

>At 08:16 AM 5/24/98 -0800, you wrote:

>>Why not a book with all ten designs? Include templates for any boards that
>>were designed.

Tom Bowman <>< WA3REY, Mount Gretna, PA 17064

<http://www.mt-gretna.com>

tbowman@mt-gretna.com

Date: Sun, 24 May 1998 14:11:05 -0500

From: "Gary E. Meyers" <gmeyers@dialnet.net>

To: qrp-1@Lehigh.EDU

Subject: [11685] 2n2222 book

Message-ID: <199805241911.0AA25693@mail.dialnet.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi gang,

I'm new to this group, so if you want to tar and feather me for my following
comments--have fun!

First, I am a writer, and I like the idea of the book. But as an
ex-printer, and one who now tries to get things published, and as those of
you who have gone this route before already know, this would be a tremendous
undertaking. Especially if you try going through a publishing company, be it
the ARRL or another (don't forget that the publisher keeps the largest
percentage of revenues generated from books they publish). It also would be
an expensive project. Just ask one of the kit suppliers what they went
through (work wise and expense) to provide us with those assembly manuals we
all appreciate. Something like that can be absorbed into the cost of the
kits, but a book by itself is a different story.

OK--don't start heating the tar yet. Again, I say, I think it's a great
idea, and would buy one if this comes about...but if someone is willing to
ramrod such a project I suggest doing camera-ready copies. Approaching a
local job printing shop with the idea (before you do the work) will give you

upfront guessimations of the expense. After you recover from your fainting spell (when you are told what it's going to cost) you'll know what the best way to continue would be.

I am not "Internet Savy" so can't comment on that, but if someone could do this on computer (schematics and all), another idea might be to offer it on floppy disk! Putting it on a floppy, or the Internet, would make printing it yourself an easy task.

Just my comments... OK - boil that tar!

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{ . . }
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-----U-----+  
**** 73 - DE KY0B (Gary) IN AURORA,MISSOURI ****  
+-----+
```

Date: Sun, 24 May 1998 12:48:30 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [11686] 2n2222 Projects
Message-ID: <2.2.32.19980524194830.006c8240@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

great ideas about putting the 2N2222 projects in print and on the web.

The process has already begun. Here at the NorCal Page we are processing photos taken at Dayton and preparing a presentation with accompanying discriptions

of what you will be seeing similar to the the monthly meeting reports.

Doug Hendricks KI6DS has the written docutmentation along with pictures and

I suspect you will see some real great articles in NorCal's QRPP shortly.

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Sun, 24 May 1998 20:38:52 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [11687] QRP ARCI Contest May 24th, 1998 <today>
Message-ID: <199805241938.UAA08517@chuck.dallas.sgi.com>

OK gang,

I didn't notice any last minute postings on this, so here goes.

HOOTOWL SPRINT

Date/Time: May 24, 1998 8:00PM to 12:00 LOCAL TIME *****

Exchange: RST, ST/PV/CNTRY, ARCI NUMBER for members
RST, ST/PV/CNTRY, POWER OUT for non-members

QSO Points: member = 5 points
non-member, different continent = 4 points
non-member, same continent = 2 points

Multiplier: SPC total for all bands. The same station may be
worked on more than one band for QSO points and SPC credit.

Power Multiplier:

0-250 mW = x 15
250-999 mW = x 10
1.0-5.0 W = x 7

Suggested Frequencies:

160 M 1810 KHz
80 M 3560 KHz

40 M 7040 KHz
20 M 14060 KHz
15 M 21060 KHz
10 M 28060 KHz
6 M 50060 KHz

Novice

80 M 3710 KHz
40 M 7110 KHz
15 M 21110 KHz
10 M 28110 KHz

Scoring:

Points(all bands) x SPCs(all bands) x power mult. + bonus points

Entry may be All-, Single-, High- or Low- Band. Entry includes copy of logs and summary sheet. Indicate total time on the air. Include legible name, call, address and ARCI number, if any. Entry must be received within 30 days of contest date. Highest power used will determine the power multiplier. Send an SASE for sample log and summary sheets. Include an SASE with your entry for a copy of the results.

The final decision on all matters concerning the contests rests with the contest manager. Entries are welcome via email to

CamQRP@cyber8t.com or by mail to

Cam Hartford, N6GA
1959 Bridgeport Ave.
Claremont, CA 91711

ST -> state
PV -> province
CNTRY -> country
M -> meters

All frequencies in KHz if not so noted.

Any typos are the responsibility of the poster, thus look in April 1998 QRP Quarterly for the final word. I didn't see what made up bonus points. Usually 2K for HB XMTR, 3K for HB RCVR, or 5K for HB XCVR. But I'll let Cam followup on if any bonus allowed for this contest. He'll take 'em off if not

allowed. :-)

OK, see you on the bands tonight and GL N TST

dit dit

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sun, 24 May 1998 11:39:12 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-l@Lehigh.EDU
Subject: [11688] Want MFJ-9475 rig
Message-ID: <35686950.7BD@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I'm looking for an MFJ-9475 75 meter ssb rig. Please let me know the condition and price. Thanks. 73 de Jim, W7LS

Date: Sun, 24 May 1998 15:47:59 -0500
From: nilsbull@juno.com (Nils R Young)
To: gmeyers@dialnet.net
Cc: qrp-l@Lehigh.EDU
Subject: [11689] Re: 2n2222 book
Message-ID: <19980524.160325.9998.5.nilsbull@juno.com>

Gang,

I just avoided going to the convention of the hobby printers/publishers outfit that I've been a member of since about 1982. They timed it bad: same weekend as the Dayton Hajj.

But I did send 'em a letter about why I weren't there and why I wouldn't be & all that. I also explained why I hadn't been printing much since about 1993: it's too damn easy using xerography & the web.

So Gary's got some good points and some tar coming. Simple fact is: if you wanna have a bunch of 2N2222 schemos and write ups, put 'em on the QRP-L web site. That way we can download/print the schemos and the write ups and go at it with perf board, double-sided, bars and ties, whatever. And we don't kill trees. Not that that's a big deal, seein' as how I've

got over 6000 books here, half of 'em read and the other bein' saved up for retirement or the estate auction or both.

So what the heck. Whatever.

But it is easier doin' a web site than it is doing a book. Gary knows. I know. They know. We know. Whatever knows.

And I've got a really nice C3 Intertype sittin' here in the garage that I'd give to Gary for just comin' over with a truck and some money to pay the fork lift guy.

Whaddya say, Gary? It's free. Almost. And it worked. The last time I dusted it off.

73
Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 24 May 1998 04:03:55 -0700
From: Lisa Osier <osier@northnet.org>
To: qrp-1@Lehigh.EDU
Cc: osier@northnet.org
Subject: [11690] ARCI contest
Message-ID: <3567FE9B.C26@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang!!!

Its time for the stupid question of the week:

For the ARCI contest , WHOS local time???? (EST ???)

How abt a UTC time for me.

Many tnx es cu on novice 40mtrs
George Osier N2JNZ 73/72s

Date: Sun, 24 May 1998 17:14:19 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: osier@northnet.org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11691] Re: ARCI contest
Message-ID: <3.0.1.32.19980524171419.00716910@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:03 AM 5/24/98 -0700, Lisa Osier wrote:

>Hi Gang!!!

>

> Its time for the stupid question of the week:

>

> For the ARCI contest , WHOS local time???? (EST ???)

>

> How abt a UTC time for me.

>

> Many tnx es cu on novice 40mtrs
> George Osier N2JNZ 73/72s

No questions are stupid.

It is ****your**** local time. Staggered start times. (stop times, too!)

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS (k8dd@tir.com)
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Sun, 24 May 1998 15:10:10 -0700
From: "Russell W. white" <ruswhite@netzone.com>
To: qrp-l@Lehigh.EDU
Subject: [11692] Re: 10 watt SSB rigs?

Message-ID: <3.0.3.32.19980524151010.007979d0@pop.netzone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:47 5/23/98 -0400, you wrote:

>I'm trying to think of 10 watt PEP SSB rigs designed specifically
>for QRP use--what radios were marketed for this purpose? I'll
>even take examples of kits or homebrew designs. The only one I
>can think of is the Wes Hayward design using a really exotic
>Siliconix MOSFET.--Zack W1VT

A friend of mine, KC7GHP, has a NCG radio that puts out about 10 watts on
ssb & cw on 40, 15 & 6 meters.

Russell W White AB7JX 33 39 12N 112 05 03W

Date: Sun, 24 May 1998 10:05:21 -0700
From: donroher@juno.com (DONALD I ROHER)
To: edn4pk@VoyagerOnline.net
Cc: qrp-1@Lehigh.EDU
Subject: [11693] Re: Parts Needed
Message-ID: <19980524.152844.10350.1.DONROHER@juno.com>

YES.... LOG ON TO DAN'S SMALL PARTS. INCREDIBLE PARTS SUPPLY FOR THE
BUILDER. ALL PARTS ARE NICE, CLEAN, WELL PACKAGED AND HE STOCKS SOME OF
THE CLASSIC QRP BUILDING BLOCKS TO A FINE QRP STATION.

NOT RELATED, DON'T WORK THERE, THIS IS JUST THE BEST SUPPLY OUT SIDE TECH
AMERICA, THEY ARE ALSO ON THE NET.....

73.... NL7QT

On Fri, 22 May 1998 22:00:54 -0400 Ed <edn4pk@VoyagerOnline.net> writes:

>Gang,
> I am in need of either a 5.6 or 6.8 uH molded choke for my 38S. I
>would like to move the frequency down about 6 or 7 kc's. Willing to
>pay a fair price and shipping costs. Anyone have such an animal in
>their junk box ?? And why do we call it junk ?? Its not junk to me,
>lotta good stuff that I have had for 20+ years and just know I will
>need it.....
>someday.....

>Ed N4PK
>CW from beautiful downtown Chickamauga, Ga.....72/73
>
>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 24 May 1998 18:28:14 EDT
From: KV1V <KV1V@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [11694] Re: Elmer 101: NE612 Balanced Output
Message-ID: <9591dc06.35689eff@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

leon@lfheller.demon.co.uk writes:

<<

>Whichever
>sort of output is used, is there an optimal termination for the mixer?

Termination should be 1K5.

Leon
-- >>

For balanced output (between pins 4 and 5), my measurements indicate output impedance of a NE602A is 3k --- not 1K5. The data sheet is less than clear about this, so I tried various load resistances while looking for 1/2 output voltage relative to no load. A 15:2 transformer will get you back to single-ended 50 ohms.

72+73
Bob Moore KV1V

Date: Sun, 24 May 1998 18:45:10 -0400
From: Rick McNelly <72507.235@compuserve.com>

To: Brad <wb8ygg@juno.com>, QRP-L List <qrp-l@Lehigh.EDU>
Subject: [11695] RE: Sierra Mod
Message-ID: <3568A2F5.A84D841C@compuserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Brad and all,

I am trying to increase power on a friends Sierra as well. Her 15M band module put out 0.2w in her stock rig and 1.7w in my modified Sierra (my module puts out abt 2w in my rig but has a turn removed from L5).

My rig has the J310, FB on the driver, D11 and D12 replaced by a 220 ohm resistor and a .01uF cap in parallel, and a MRF 237 final.

Her rig originally had none of these mods (oops, it does have the FB). I replaced D11 and D12 and her power went up from 0.2 to 0.5w. I have been unable to find any J310's locally which is very frustrating :-(

So, I tried the transformer mod posted recently. Removed L10 and rewound the same core with 10 bifilar turns. Formed a center tap by the start of one winding to the end of the other winding. Connected the tap to the PA (Q7) collector. Connected one of the other ends to the VCC line and the last lead to the left side of C46 (as viewed from the front of the rig). Cut the trace from C46 to Q7, D7 and old L10.

Installed a NTE 342 final and walla! NO CHANGE whatsoever on 15M!!!

The 40M module now puts out over 4w though!

So something else is wrong here. I hope putting in a J310 will help if I can find one without having to order \$15 worth of stuff to get it. Anybody got a spare they can send me?

I have been reading Bob Follet's article in the Dec '96 QRPP and after poking around with my scope discovered that her Sierra did not put out as much TX mixer injection as mine so I added a 22K resistor from U8 pin 7 to ground. Made her sigs look cleaner but again no change in output.

I'm clueless here. Her modules works fine in my rig, But she seems to have a rapid power drop on 30M and above. What gives?

72/73's,

--Rick, KE4IZH

QRP-L #493

72507.235@compuserve.com
Chesapeake, Va.
MP2.1K

End of QRP-L Digest 1101

